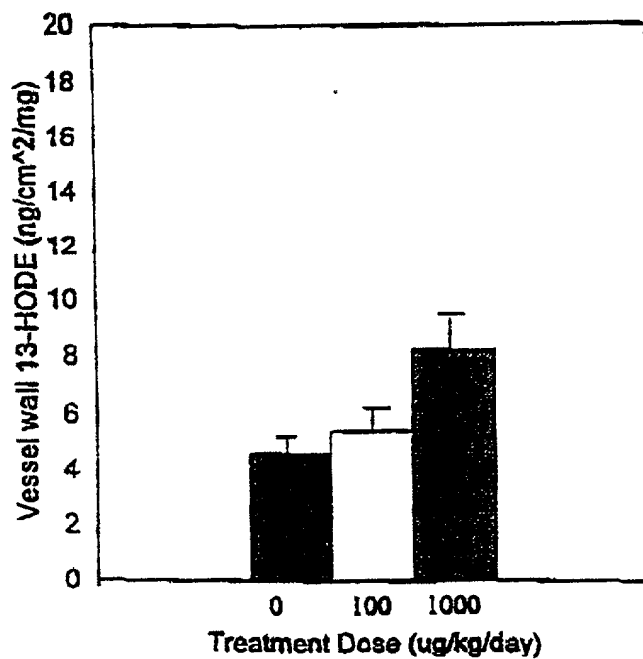


FIGURE 1

Treatment Dose (ug/kg/day)	Vessel wall 13-HODE (ng/cm ² /mg)
0	~8.2
100	~10.5
400	~10.8
1000	~13.2



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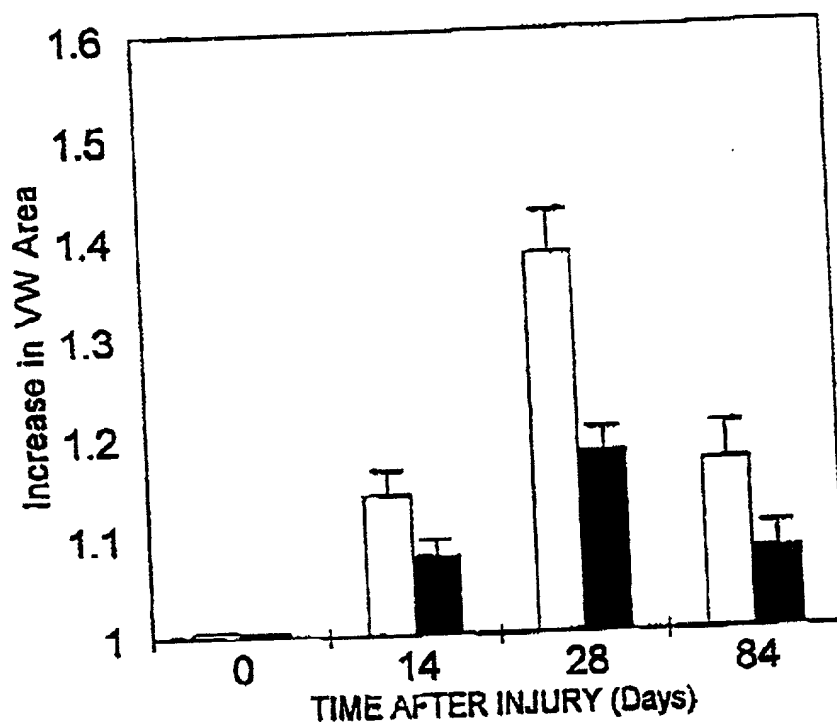


FIGURE 3

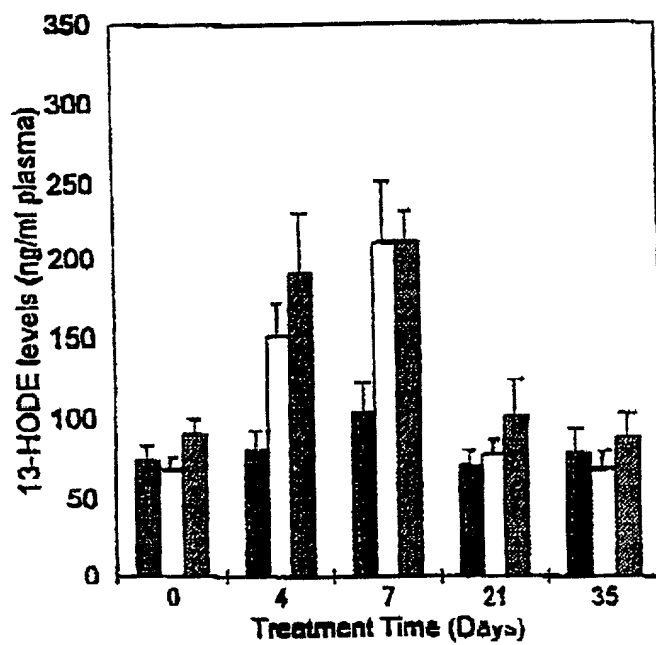
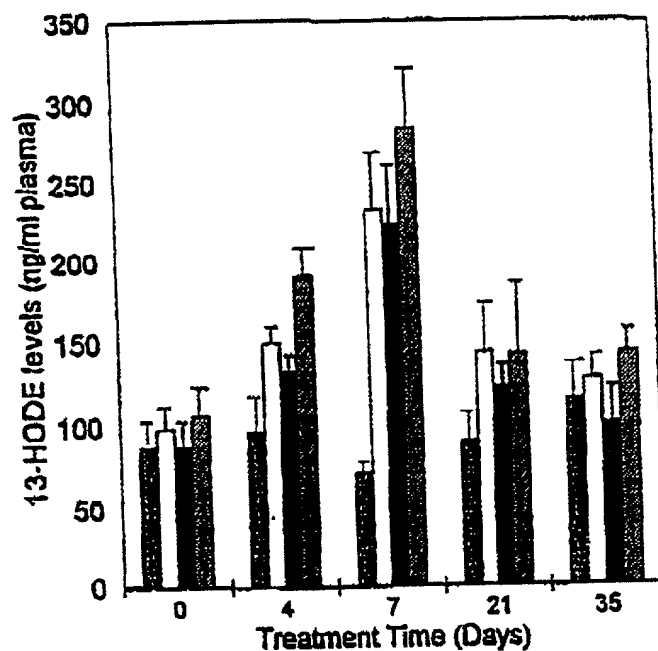


FIGURE 4

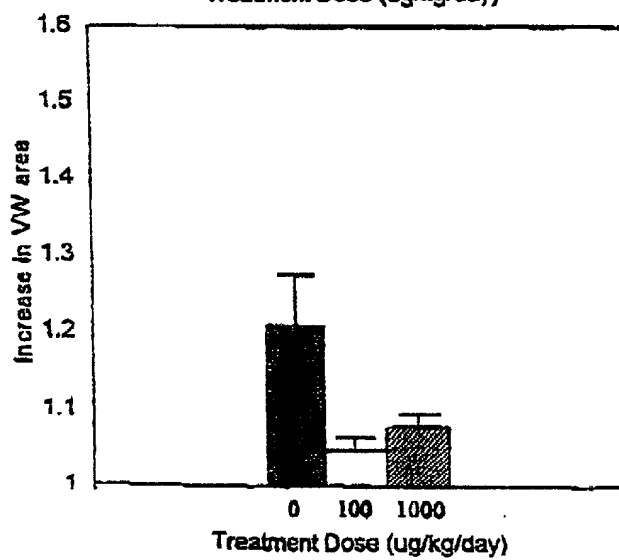
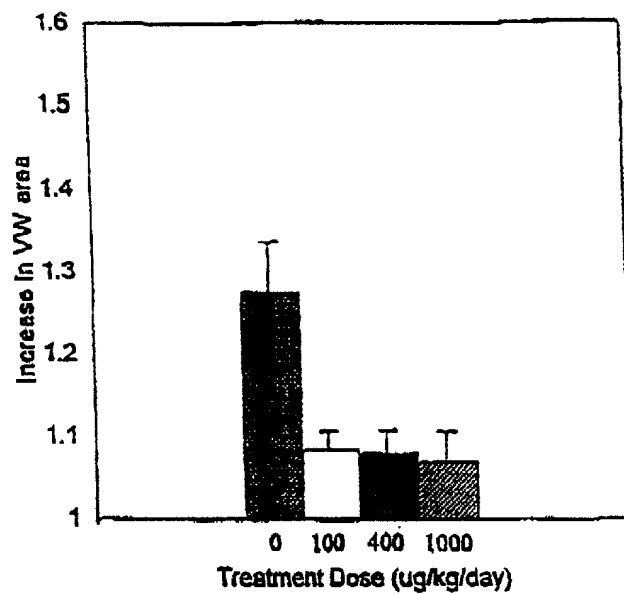
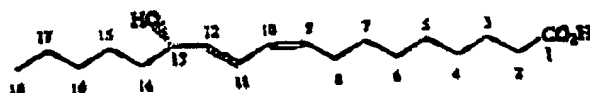


FIGURE 5



Proton nmr spectrum (270MHz, CDCl₃)

δ (ppm) 6.5(1H, dd, H₁₁, J_{11,10}=11Hz, J_{11,12}=15.2Hz), 6.0(1H, t, H₁₀, J_{10,9}=J_{10,11}=11Hz), 5.7(1H, dd, H₁₂, J_{12,11}=15.2Hz, J_{12,13}=6.8Hz), 5.4(1H, dt, H₉, J_{9,8}=7.7Hz, J_{9,10}=10.8Hz), 4.1(1H, m, H₁₃), 2.4(2H, t, H₃, J_{2,3}=7.3Hz), 2.2(2H, m, H₄), 1.6(4H, m, H₅, H₆), 1.3(14H, m, H₁₇, H₁₄, H₁₅, H₇, H₈, H₅, H₆) and 0.9 (3H, t, H₁₈, J_{18,17}=6.7Hz).

Carbon-13 nmr spectrum (67.8MHz, CDCl₃)

δ (ppm) 179.3(C₁), 135.6(C₁₂), 132.6(C₉), 127.8(C₁₀), 125.8(C₁₁), 72.9(C₁₃), 37.1-22.4(C₁₇, C₁₆, C₁₅, C₁₄, C₈, C₇, C₆, C₅, C₄, C₃, C₂) and 13.9(C₁₈).

Infrared spectrum

3500-2500cm⁻¹ (broad O-H stretch) and 1709cm⁻¹ (C=O stretch)

Ultraviolet spectrum (ethanolic solution)

λ_{max} =232nm (ε=25,000 mol⁻¹dm³cm⁻¹)

Soluble in ethanol, dichloromethane.

Insoluble in hexane, water.

FIGURE 6